

SAF-RC-040
300 Area D&D Waste Characterization
Sampling - Other Solid
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Tim Lee L1-07

KW 12/6/2007
INITIAL/DATE

COMMENTS:

SDG 07-A-6783

SAF-RC-040

Rad only

☒ Chem only

Rad & Chem

☒ Complete

Partial

Sample Location/Waste Site: 337B Bldg

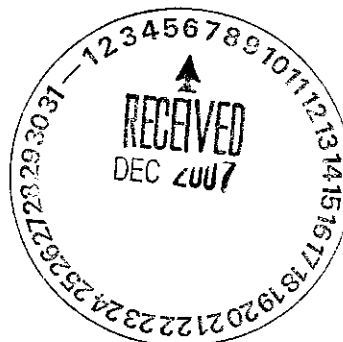
RECEIVED
DEC 17 2007
EDMC



12/5/07
Page 1 of 2

SUBMITTED TO:


Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354



REFERENCE DATA:

Client Sample No.:	J16327 through J16329
P.O. No.:	Not Available
Sample Location:	337B
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6783
DCL Sample ID No.:	07-39658 through 07-39660
Sample Receipt Date:	11/29/07
Analysis Date:	12/5/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.


Shawn Smythe
Analyst


Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

CINCINNATI OFFICE
4388 GLENDALE-MILFORD ROAD
CINCINNATI, OHIO 45242-3706
513 733-5336, FAX 513 733-5347

WEST COAST OFFICE
11 SANTA YORMA COURT
NOVATO, CALIFORNIA 94945
800 280-8071, FAX 415 893-9469

12/5/07

DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report


Client: Washington Closure Hanford
 Location: 337B
 Set ID: 07-A-6783

Client Sample ID:	J16327	J16328	J16329
DCL Sample ID:	07-39658	07-39659	07-39660
Macroscopic Examination			
Accepted/Rejected:	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.
Color:	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs
Description:	Material	Material	Material
Analysis:	PLM	PLM	PLM
Asbestiform Minerals			
% Chrysotile:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30
% Amosite:			
% Crocidolite:			
% Tremolite - Actinolite:			
% Anthophyllite:			
% Total Asbestos:	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30
Other Materials			
% Cellulose:			
% Fiberglass:			
% Other Fibers:			
% Resin/Binder:			
% Non Fibrous:	>60 ≤ 70	>60 ≤ 70	>60 ≤ 70

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


 Shawn Smythe
 Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-341		Page <u>2 of 2</u>	
Collector Tim Lee		Company Contact Tim Lee		Telephone No. 627-8639		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround 7 Days	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 378M 337A		SAF No. RC-040					
Ice Chest No. FED EX BOX		Field Logbook No. EL-1607-2		COA See below		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080039		Bill of Lading/Air Bill No. See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos Special Handling and/or Storage		Preservation		None					
		Type of Container		G/P					
		No. of Container(s)		1					
		Volume		5g					
SAMPLE ANALYSIS 07-A-6783				Asbestos-BULK-EPA					
Sample No. 07	Matrix *	Sample Date	Sample Time						
J16323	OTHER SOLID	11/28/07							
J16324	OTHER SOLID	11/28/07							
J16325	OTHER SOLID	11/28/07							
J16326	OTHER SOLID	11/28/07							
J16327 39658	OTHER SOLID	11-28-07	900	X					
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00 Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other	
T. Lee		11/28/07 9:45		KMS Singleton		11/28/07 0945			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
KMS Singleton		11-28-07 1500		FED EX					
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-341		Page <u>2 of 2</u>	
Collector Tim Lee		Company Contact Tim Lee		Telephone No. 627-8639		Project Coordinator KESSNER, JH		Price Code 9K	
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location <u>3748M 337A</u>		SAF No. RC-040		Data Turnaround 7 Days			
Ice Chest No. FED EX BOX		Field Logbook No. EL-1603-2		COA See below		Method of Shipment Federal Express			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A080039		Bill of Lading/Air Bill No. See OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos Special Handling and/or Storage		Preservation		None					
		Type of Container		G/P					
		No. of Container(s)		1					
		Volume		5g					
SAMPLE ANALYSIS				Asbestos- BULK-EPA					
Sample No.	Matrix *	Sample Date	Sample Time						
J16328 <u>37655</u>	OTHER SOLID	<u>11-28-07</u>	<u>905</u>	X					
J16329 <u>39600</u>	OTHER SOLID	<u>11-28-07</u>	<u>910</u>	X					
CHAIN OF POSSESSION				Sign/Print Names		SPECIAL INSTRUCTIONS			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00 Matrix * S=Soil SE=Soil/men SO=Solid SL=Sludge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquid T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other	
<u>TALC Swt 800</u>		<u>11-28-07/945</u>		<u>RM Singleton</u>		<u>11-28-07 0945</u>			
<u>RM Singleton</u>		<u>11-28-07 1500</u>		<u>FED EX</u>					
<u>AMC</u>		<u>11/29/07</u>		<u>Jan Wilcox</u>		<u>11/29/07</u>			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By		Title		Date/Time			
		<u>AMC</u>		<u>for Jan Wilcox</u>		<u>11/29/07</u>			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			